

**AMENDMENTS TO THE CLAIMS**

1. (Currently Amended) A wireless heartbeat detector comprising:

a wireless pulsation detector, the wireless pulsation detector including

~~a~~ an infrared heartbeat detector, the infrared heartbeat detector detecting a pulsation signal,

a signal processing circuitry, the pulsation signal being converted and amplified into a processed signal by the signal processing circuitry, and

a radio frequency wireless signal transmission circuitry, the processed signal being transmitted by the radio frequency wireless signal transmission circuitry via a radio frequency;

a wireless receiving circuitry, the processed signal being received by the wireless receiving circuitry via the radio frequency and being converted into a heartbeat rate; and

a display, the heartbeat rate being displayed by the display.

2. (Currently Amended) The wireless heartbeat detector recited in claim 1, wherein said infrared heartbeat detector is at least one of a reflection infrared detector and a penetration infrared detector.

3. (Previously Presented) The wireless heartbeat detector recited in claim 1, wherein the display is carried on at least one of a wrist and a waist.

4. (Previously Presented) The wireless heartbeat detector recited in claim 1, wherein said radio frequency wireless signal transmission circuitry is placed on at least one of a cloth, a head, earlobe collars, a fingertip and a wrist of a user.

5. (Previously Presented) The wireless heartbeat detector recited in claim 4, wherein the heartbeat detector, the signal processing circuitry, and the radio frequency wireless signal transmission circuitry are all placed only on the fingertip of the user.

6. (Currently Amended) The wireless heartbeat detector recited in claim 5, wherein the wireless pulsation detector further includes a radio unitreceiving set.

7. (Currently Amended) The wireless heartbeat detector recited in claim 1, wherein the wireless pulsation detector further includes a radio unitreceiving set.